

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
200 Fair Oaks Lane, 1st Floor
Frankfort, Kentucky 40601
(502) 573-3382**

Final

**AIR QUALITY PERMIT
Issued under 401 KAR 52:020**

Permittee Name: Weyerhaeuser NR Company
Mailing Address: 610 Trus Joist Ln
Chavies, KY 41727

Source Name: Weyerhaeuser East Kentucky Plant
Mailing Address: 610 Trus Joist Ln
Chavies KY, 41727

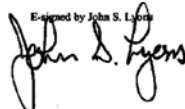
Source Location: 610 Trus Joist Ln

Permit: V-08-010
Agency Interest: 3457
Activity: APE20080001
Review Type: Title V / Synthetic Minor, Operating
Source ID: 21-193-00097

Regional Office: Hazard Regional Office
233 Birch Street, Suite 2
Hazard, KY 41701
(606) 435-6022

County: Perry

Application
Complete Date: August 18, 2008
Issuance Date: February 3, 2009
Revision Date:
Expiration Date: February 3, 2014

E-signed by John S. Lyons


**John S. Lyons, Director
Division for Air Quality**

TABLE OF CONTENTS

SECTION	ISSUANCE	PAGE
A. PERMIT AUTHORIZATION	Renewal	1
B. EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS AND OPERATING CONDITIONS	Renewal	2
C. INSIGNIFICANT ACTIVITIES	Renewal	21
D. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS	Renewal	22
E. SOURCE CONTROL EQUIPMENT REQUIREMENTS	Renewal	24
F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS	Renewal	25
G. GENERAL PROVISIONS	Renewal	28
H. ALTERNATE OPERATING SCENARIOS	Renewal	34
I. COMPLIANCE SHCEDULE	Renewal	34

Permit type	Log #	Complete Date	Issuance Date	Summary of Action
Initial Issuance	-	-	4/9/97, 9/10/96 &4/7/97	C-93-111 (Revision 2), S-96-256 & S-97-033
VS-02-009	55389	12/11/02	12/12/02	Finger Joint Upgrade
Operating, Title V/Synthetic Minor	F916/50 711	02/12/98	07/02/03	V-03-008
Operating, Title V/Synthetic Minor, Revision 1	56024	9/25/03	10/03/03	Compliance demonstration for E.U. 01 - Three Wellons Wood-Fired Furnaces revision V-03-008 R1
Construction/Operating, Title V/Synthetic Minor, Revision 2	56351	5/15/04	7/23/04	Replacement of (4) Strand Dryers with (2) New Strand Dryers (applicable to 40 CFR 63 DDDD & DDDDD)
Construction/Operating, Title V/Synthetic Minor, Revision 3	3457	1/9/05	2/18/05	Construction of Fuel Preparation & Dust Recycle System Revision V-03-008 R3
Operating, Title V/Synthetic Minor, Revision 4	APE200 60001	3/5/07	7/26/07	Health Based Compliance Alternative for the 3 Wellons Wood-Fired Oil Heaters
Renewal	APE200 80001	4/7/08		Removal of vacated Boiler MACT Requirements, Added PCWP MACT Requirements, Removal of I-Joist Equipment

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Unit 01 (MP 01-01, 01-02, 01-03)

Indirect Heat Exchangers

Description:

3 Wellons Wood Fired Oil Heaters

Rated Capacity: 75 MMBtu/hr, each (225 MMBtu/hr, total)

Primary Fuel: Wood Residuals

Secondary Fuel: Oil soaked absorbents

Backup Fuel (MP 01-01 only): Propane (35 MMBtu/hr auxiliary burner)

Construction Commenced: 1994

Control Device: Electrified Filter Bed (EFB)

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 MMBtu per hour and commenced on or after April 9, 1972.

40 CFR 60 Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, applicable to units less than or equal to 100 MMBtu/hour but greater than or equal to 10 MMBtu/hour commenced after June 9, 1989.

NON-APPLICABLE REGULATION:

401 KAR 51:017, Prevention of significant deterioration of air quality. The permittee has elected to take federally enforceable operating and emission limits to preclude the applicability of these standards.

1. Operating Limitations:

- a. To preclude the applicability of 401 KAR 51:017, the propane auxiliary burner of MP 01-01 shall not be operated simultaneously with the wood-fired furnaces.

Compliance Demonstration

The permittee shall demonstrate compliance with this limit by meeting the requirements of subsection 5.b Specific Recordkeeping Requirements.

- b. To preclude the applicability of 401 KAR 51:017, the maximum quantity of oil-soaked absorbents burned in the furnaces shall not exceed 2,000 lbs/week.

Compliance Demonstration

The permittee shall demonstrate compliance with this limit by meeting the requirements of subsection 5.d Specific Recordkeeping Requirement.

- c. To preclude the applicability of 401 KAR 51:017, the EFB shall be operated and routine maintenance performed to ensure that the ionizer amperage does not drop below the lower limit of the indicator range developed from continuous data collected during stack tests more than 5% of the time in a calendar quarter.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)Compliance Demonstration

The permittee shall demonstrate compliance with this limit by meeting the requirements of subsection 4.e Specific Monitoring Requirements and 5.a Specific Recordkeeping Requirements.

- d. See Section D.

2. Emission Limitations:

The following limitations apply when burning wood:

- a. Pursuant to §60.43c (b), the permittee shall not cause to be discharged into the atmosphere any gases that contain PM in excess of 0.10 lb/MMBtu heat input, for each unit.

Compliance Demonstration:

For compliance with the allowable particulate limit the emission factor of 0.056 lb/MMBtu derived from performance test in February 2004, shall used until new information is gathered from future stack test which shall replace this emission factor.

The permittee shall demonstrate compliance with the PM standard using the most recent emission factor determined from stack tests, currently 0.056 lb/MMBtu (February 2004). Emission rates determined during future stack tests will replace this emission factor.

- b. Pursuant to §60.43c (c), the permittee shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Compliance Demonstration:

The permittee shall demonstrate compliance with the opacity standard by meeting the requirements of subsections 4.a and b, Specific Monitoring Requirements and 6.b, Specific Reporting Requirements.

- c. Pursuant to §60.43c (d), the PM and opacity standards apply at all times, except during periods of startup, shutdown, or malfunction.
- d. Pursuant to 401 KAR 59:015, Section 5(1)(a), sulfur dioxide emissions shall not exceed 0.8 lb/MMBtu heat input based on a twenty-four-hour average, for each unit.

Compliance Demonstration:

The permittee may demonstrate compliance with the SO₂ standard by using the AP-42 Table 1.6-2 emission factor for wood, currently 0.025 lb/MMBtu.

The following emission limitations apply when burning propane:

- e. Pursuant to 401 KAR 59:015 Section 4(1), particulate emission shall not exceed 0.10 lb/MMBtu (3-hr average), for each unit.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- f. Pursuant to 401 KAR 59:015, Section 4(2), visible emissions shall not exceed 20 percent opacity, except:
1. For a maximum of 40 percent opacity shall be permissible for not more than 6 consecutive minutes in any 60 consecutive minutes during cleaning the fire box or blowing soot and
 2. For emissions from an indirect heat exchanger during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.
- g. Pursuant to 401 KAR 59:015, Section 5(1)(a), sulfur dioxide emissions shall not exceed 0.8 lb/MMBtu heat input, based on a twenty-four-hour average, for each unit.

Compliance Demonstration:

The unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning propane.

3. Testing Requirements:

- a. The permittee shall submit a schedule within six months from the issuance of final permit #V-08-010 to conduct at least one performance test on the dryer for particulate emissions by EPA Reference Method 5, within eighteen months from the issuance of the permit, to demonstrate compliance with the particulate standard. Emission factors derived from stack testing are to replace the emission factor currently listed in the permit, and shall be used to calculate future emissions. The testing shall be conducted under conditions representative of maximum emissions potential under anticipated operating conditions at the pollutant-specific emissions units. An EFB ionizer operating parameter shall be set based on continuous data collected during stack tests. The indicator range shall be the average of the 3 lowest 15-minute block average amperages recorded during testing. These units will only be permitted to operate at 110% of the total heat input (MMBtu/hr, 3-hr average) achieved during testing.
- b. Pursuant to 401 KAR 50:045, if the EFB ionizer amperage drops below the lower limit indicator range more than 5% of the operating time in a calendar quarter the Division may require a stack test to demonstrate compliance with the PM emission standard. The Division may waive this testing requirement upon a demonstration that the cause of the excursion has been corrected.

4. Specific Monitoring Requirements:

- a. Pursuant to §60.47c (a), the owner or operator shall install, calibrate, maintain, and operate a COMS for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. Pursuant to §60.47c (b), all COMS for measuring opacity shall be operated in accordance with the applicable procedures under Performance Specification 1 of appendix B to 40 CFR 60. The span value of the opacity COMS shall be between 60 and 80 percent.
- c. Pursuant to 401 KAR 59:005, Section 3(5), the Division may provided a temporary exemption from the monitoring and reporting requirements of 401 KAR 59:005, Section 3, for the continuous monitoring system during any period of monitoring system malfunction, provided that the source owner or operator shows, to the Division's satisfaction, that the malfunction was unavoidable and is being repaired as expeditiously as practicable.
- d. Pursuant to §60.48c (g)(2), the permittee shall monitor the amount of fuel combusted (tons for wood and scf for propane) during each calendar month.
- e. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the EFB ionizer amperage on an hourly basis.
- f. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the total heat input (MMBtu) on a monthly basis.
- g. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the amount of oil-soaked absorbents combusted (lbs) on a weekly basis.
- h. Pursuant to 401 KAR 52:020, Section 26, once during permit V-08-010 the permittee shall measure the heat content (Btu/lb) of the wood burned. The permittee may meet this requirement using fuel analysis.

5. Specific Recordkeeping Requirements:

- a. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the EFB ionizer amperage on an hourly basis. Excursions from normal operating ranges, set during the performance test required by subsection 3. Testing Requirements, shall also be recorded.
- b. Pursuant to §60.48c (g)(2), the permittee shall maintain records of the amount of fuel combusted (tons for wood and scf for propane) during each calendar month. If the propane burner is used the reason it was used shall also be recorded.
- c. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the total heat input (MMBtu) on a monthly basis.
- d. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the amount of oil-soaked absorbents combusted (lbs) on a weekly basis.
- e. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of measurements of the heat content (Btu/lb) of the wood burned. The permittee may meet this requirement using fuel analysis.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

- a. Pursuant to §60.48c (c) and 401 KAR 50:055, Section 1, the permittee shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.
- b. Pursuant to 401 KAR 52:020, Section 26, the permittee shall report the percentage of data exceeding the EFB ionizer amperage indicator range during the semi-annual report required by Section F.
- c. See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 5, the EFB shall be maintained and operated in accordance with manufacturer's specifications and/or standard operating practices and so that the EFB ionizer amperage does not drop below the lower limit indicator range more than 5% of the operating time during each calendar quarter.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E.

8. Compliance Schedule:

Pursuant to §63.52 (a)(2), the permittee may be required to submit a case-by-case MACT determination for these units under the category Industrial Boilers, Institutional/Commercial Boilers and Process Heaters upon notification by the Division. 40 CFR 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters was vacated and remanded by the U.S. Court of Appeals on July 30, 2007.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 02 (MP 02-01, 02-02)

Rotary Dryers

Description:

Two Rotary Strand Dryers equipped with 2 suspension burners.

Maximum Strand Production: 35 ODT/hr, total

Heat Input Capacity of Suspension Burners: 100 MMBtu/hr, total

Primary Fuel: Wood Residuals

Secondary Fuel: Propane (0.495 Mgal/hr)

Other Heat Source: Exhaust gases from Emission Unit 01

Control Device: Multiclone and Electrified Filter Bed (EFB)

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to an emission unit commenced on or after July 2, 1975.

40 CFR 60 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (PCWP), applicable to PCWP manufacturing facilities located at a major source of HAP emissions.

NON-APPLICABLE REGULATION:

401 KAR 51:017, Prevention of significant deterioration of air quality. The permittee has taken voluntary federally enforceable limits to preclude the applicability of these standards.

1. Operating Limitations:

- a. Pursuant to §63.2250, the permittee must be in compliance with the compliance options, operating requirements, and the work practice requirements of 40 CFR 63 Subpart DDDD at all times, except during periods of process unit or control device startup, shutdown, and malfunction; prior to process unit initial startup; and during the routine control device maintenance exemption specified in §63.2251. The compliance options, operating requirements, and work practice requirements do not apply during times when the process unit subject to the compliance options, operating requirements, and work practice requirements are not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.
- b. Pursuant to §63.2250 (b), the permittee must always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).
- c. Pursuant to §63.2250 (c), the permittee must develop a written SSMP according to the provisions in §63.6(e)(3).
- d. Pursuant to §63.2240 (a), §63.2260(a) and Table 2 to 40 CFR 63 Subpart DDDD, the permittee must maintain on a daily basis the following operating parameters within the ranges established during the performance test according to §63.2262(n):

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Unit	Operating Parameter	Operating Limit
MP 02-01 (Dryer #1)	Dryer Inlet Temperature	602°F maximum based on a 3-hr block average
MP 02-02 (Dryer #2)	Dryer Inlet Temperature	542°F maximum based on a 3-hr block average

- e. Pursuant to §63.2262 (n), the permittee may establish a different operating limit by submitting the notification specified in 63.2280(g) and conducting a repeat performance test as specified in §63.2262(n)(1).
- f. Pursuant to 401 KAR 52:020, Section 26, dried strand production shall not exceed 35 ODT/hr based on a monthly average.

Compliance Demonstration:

The permittee shall demonstrate compliance with this limitation by meeting the requirements of subsection 4.c, Specific Monitoring Requirements and 5.c, Specific Recordkeeping Requirements.

2. Emission Limitations:

- a. Pursuant to §63.2240(a), the permittee must meet the production-based total HAP compliance option in Table 1A to Subpart DDDD of Part 63 of 0.18 lb/ODT of total HAP emissions for rotary strand dryers. The permittee may not use an add-on control system or wet control device to meet the production-based compliance options.

Initial Compliance Demonstration:

Pursuant to §63.2260(b), the permittee must demonstrate initial compliance with each compliance option, operating requirement, and work practice requirements that applies according to Table 5 and 6 to Subpart DDDD of Part 63 and according to §§63.2260 through 63.2269.

In March 2008, the permittee conducted performance testing according to Table 4 to Subpart DDDD of Part 63 and §63.2260 through §63.2269 and determined that emissions of average total HAP were no greater than the Production Based Compliance Option in Table 1A, of 0.18 lb/ODT. Actual average emissions were measured at 0.12 lb/ODT. The permittee also developed the operating requirements in Table 2 (see subsection 1.d, Operating Requirements) over the performance test during which emissions did not exceed the compliance option value. The permittee has met the initial compliance demonstration requirements of §63.2260 for this unit.

Continuous Compliance Demonstration:

Pursuant to §63.2271, the permittee must demonstrate continuous compliance with the 0.18 lb/ODT of total HAP emission limit by maintaining the operating temperatures according to subsection 1.d, Operating Requirements, monitoring according to subsection 4.b, Monitoring Requirements, and meet the reporting requirements of 6.a, Reporting Requirements.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions from the stack shall not exceed $[3.59(P)^{0.62}]$ pound per hour based on a three-hour average where P is the monthly average processing rate in tons per hour. If the process rate weight is 1,000 lbs/hr or less than the limit on particulate matter emissions is 2.34 lbs/hr.

Compliance Demonstration:

The permittee shall use the results of the most recent stack test to demonstrate compliance with this PM limit, currently 7 lb/hr (June 2008).

- c. Pursuant to 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not exceed twenty (20) percent opacity based on a six-minute average.

Compliance Demonstration:

The permittee shall demonstrate compliance with this limitation by meeting the requirements of 4.g, Specific Monitoring Requirements.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

- a. Pursuant to §63.2269(b), for each temperature sensor, the permittee must meet the requirements of 63.2269(a) and (b)(1) through (2).
- b. Pursuant to §63.2271 (a) and Table 7 of Subpart DDDD to Part 63, the permittee shall collect and record 3-hour block average inlet temperatures for each dryer.
- c. Pursuant to §63.2270 (a), the permittee must monitor and collect data according to §63.2770.
- d. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the amount of wood (tons) and propane (scf) burned and the total heat input (MMBtu) of the suspension burners on a monthly basis. The amount of fuel combusted may be monitored through direct measurement of fuel input or based on monitoring burner capacity utilization.
- e. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor dried strand production through the dryers and the hours of operation on a monthly basis.
- f. Pursuant to 401 KAR 52:020, Section 26, once during permit #V-08-010 the permittee shall monitor the heat content (Btu/lb) of the wood. The permittee may meet this requirement using fuel analysis.
- g. Pursuant to §64.3 (d)(1), the continuous opacity monitoring system (COMS) required for Emission Unit 01 shall be used to satisfy the compliance assurance monitoring requirements of 40 CFR 64. Emission Units 01 and 02 vent to a common stack and Emission Unit 01 is required to operate a COMS under 40 CFR 60 Subpart Dc.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**5. Specific Recordkeeping Requirements:**

- a. Pursuant to §63.2282(a), the permittee must keep the records as listed in §63.2282(a)(1) through (4).
- b. Pursuant to §63.2282(b), the permittee must maintain records on a daily basis of the inlet temperature data for each dryer.
- c. Pursuant to §63.2283, the permittee must maintain records according to §63.2283 (a) through (c), as applicable.
- d. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the amount of wood (tons) and propane (scf) burned and the total heat input (MMBtu) to the suspension burners on a monthly basis.
- e. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the amount of strands processed through the dryers on a monthly basis.
- f. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the heat content (Btu/lb) of the wood used.

6. Specific Reporting Requirements:

- a. Pursuant to §63.2271(b), the permittee must report each instance in which the unit did not meet each compliance option, operating requirement, and work practice requirement in Tables 7 and 8 to Subpart DDDD of Part 60 that applies. This includes periods of startup, shutdown, and malfunction and periods of control device maintenance specified in paragraphs (b)1 through (3) of §63.2271. These instances are deviations from the compliance options, operating requirements, and work practice requirements in Subpart DDDD. These deviations must be reported according to the requirements in §63.2281.
- b. Pursuant to 63.2280(a) the permittee must submit all the notifications in §63.7(b) and (c), §63.8(e), (f)(4) and (f)6, §63.9 (b) though (e), and (g) and (h) by the dates specified.
- c. Pursuant to §63.2281, the permittee must submit reports according to §63.2281 (a) through (g), as applicable.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 5, the EFB shall be maintained and operated in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 03, 05-08, 11, 22, 23, 30****Process Equipment****Description: Emission Unit 03**

Steam Injection Press – used to form strands into billets

Maximum Billet Production: 38.4 tons/hr

Construction Commenced: 1994

Control Efficiency: 0.002 gr/dscr

Description: Emission Unit 05

Saw System #1 – includes saw line, end and edge trim saws, edge and end trim woodhogs saw, cyclone, baghouse #4

Maximum Lumber Production: 69 ODT/hr

Construction Commenced: 1994

Control Efficiency: 0.005 gr/dscr

Description: Emission Unit 06

Finish Saw System #2 – dimensioning saw line, cyclone, baghouse #5

Maximum Lumber Production: 69 ODT/hr

Construction Commenced: 1994

Control Efficiency: 0.005 gr/dscr

Description: Emission Unit 07

Sanding Operation - Billet Sander, cyclone, baghouse #6

Maximum Lumber Production: 69 ODT/hr

Construction Commenced: 1994

Control Efficiency: 0.005 gr/dscr

Description: Emission Unit 08

Two Stranding Operations – includes stranders, conveyors and transfer point, cyclone, baghouse #1

Maximum Strand Production: 66 ODT/hr

Construction Commenced: 1994

Control Efficiency: 0.03 gr/dscr

Description: Emission Unit 11

Wood Dust Pneumatic Conveying – truck bin cyclone, baghouse #1

Maximum Throughput: 1.14 ODT/hr

Construction Commenced: 1994

Control Efficiency: 0.002 gr/dscr

Description: Emission Unit 22

Bundle Saw with baghouse #8

Maximum throughput: 15.6 ODT/hr

Construction Commenced: 1998

Control Efficiency: 0.005 gr/dscr

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Description: Emission Unit 23

Process Equipment (continued)

High Pressure Relay with baghouse #9 and truck bin cyclone

Maximum throughput: 0.204 ODT/hr

Construction Commenced: 1998

Control Efficiency: 0.005 gr/dscr

Description: Emission Unit 30

Fuel Preparation Equipment – 2 cyclones, fuel handling conveyor, 2 fuel hammermills, fuel storage bin, fuel metering bin, and baghouse #10

Maximum throughput: 6 ODT/hr (52,560 ODT/yr)

Construction Commenced: 2005

Control Efficiency: 0.005 gr/dscr

APPLICABLE REGULATIONS

401 KAR 59:010, New process operations, applicable to an emission unit commenced on or after July 2, 1975.

40 CFR 60 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (PCWP), applicable to PCWP manufacturing facilities located at a major source of HAP emissions.

NON-APPLICABLE REGULATIONS

401 KAR 51:017, Prevention of significant deterioration of air quality. The permittee has elected to take federally enforceable operating and emission limits to preclude the applicability of these standards.

1. Operating Limitations:

To preclude the applicability of 401 KAR 51:017, Prevention of significant deterioration of air quality, PM emissions from each unit shall not exceed the amount below based on a twelve-month rolling total:

Emission Unit	Emission Unit Name	Emission Factor (lb/ton)	PM Emissions (ton/yr – twelve-month rolling total)
3	Steam Injection Press	0.03125	5.26
5	Saw System #1	0.03106	9.4
6	Saw System #2	0.03106	9.4
7	Sanding Operation	0.03106	9.4
8	2 Stranding Operations	0.03970	11.5
11	Wood Dust Conveying – Truck Bin	3.38346	16.9
22	Bundle Saw	0.1385	9.46
23	High Pressure Relay – Baghouse #9	1.1785	1.6
23	High Pressure Relay – Truck Bin	10.7143	9.57
30	Fuel Prep Equipment	0.1417	3.7

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)Compliance Demonstration:

To demonstrate compliance with this limitation, the monthly PM emissions shall be calculated using the following formula for each unit:

$$PM \text{ emissions (ton)} = P(\text{ton / hr}) \times EF(\text{lb / ton}) \times \frac{\text{ton}}{2000 \text{ lb}}$$

P = monthly average processing rate

EF = emission factor as listed above

Twelve-month rolling totals shall be calculated monthly and reported semi-annually (see Section F). The permittee shall maintain onsite a log of the twelve-month rolling totals and make them available for review by the Division.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions from the stack shall not exceed $[3.59(P)^{0.62}]$ pound per hour based on a three-hour average where P is the monthly average processing rate in tons per hour. If the process rate weight is 1,000 lbs/hr or less than the limit on particulate matter emissions is 2.34 lbs/hr.

Compliance Demonstration:

The permittee shall use the following equation for each unit to demonstrate compliance with the particulate matter emission limits:

$$PM \text{ emissions (lb / hr)} = EF(\text{lb / ton}) \times P(\text{ton / hr})$$

EF = emission factor as listed under subsection 1, Operating Limitations

P = monthly average processing rate

- b. Pursuant to 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not exceed twenty (20) percent opacity based on a six-minute average.

3. Testing Requirements:

None

4. Monitoring Requirements:

- a. Pursuant to 401 KAR 52:020, Section 26, the permittee shall perform a qualitative visible observation of the opacity emissions from each stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen, then the opacity shall be determined using EPA Reference Method 9 and if the opacity reading is greater than twenty percent, then initiate an inspection of the equipment for any repairs.
- b. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the amount of material processed (tons) and hours of operation for each unit on a monthly basis.

5. Recordkeeping Requirements:

Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the amount of material processed (tons) and hours of operation for each unit on a monthly basis.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 5, the baghouses shall be operated as necessary to maintain compliance with the permitted emission limitations, in accordance with the manufacturers' specifications and/or good engineering practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Unit 10****Forming Line****Description:**

Forming Line

Maximum throughput: 38.4 ODT/hr

Maximum MDI usage: 3,000 lb/hr

Construction Commenced: 1994

Baghouse Control Efficiency: 0.005 gr/scfr

APPLICABLE REGULATIONS

401 KAR 59:010, New process operations, applicable to an emission unit commenced on or after July 2, 1975.

40 CFR 60 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (PCWP), applicable to PCWP manufacturing facilities located at a major source of HAP emissions.

NON-APPLICABLE REGULATIONS

401 KAR 51:017, Prevention of significant deterioration of air quality. The permittee has elected to take federally enforceable operating and emission limits to preclude the applicability of these standards.

1. Operating Limitations:

To preclude the applicability of 401 KAR 51:017, Prevention of significant deterioration of air quality, PM emissions from this unit shall not exceed 14.5 tons per year based on a twelve-month rolling total.

Compliance Demonstration:

To demonstrate compliance with this limitation, the monthly PM emissions shall be calculated using the following formula:

$$PM \text{ emissions (ton)} = P(\text{ton / hr}) \times EF(\text{lb / ton}) \times \frac{\text{ton}}{2000 \text{ lb}}$$

P = monthly average processing rate

EF = 0.08594 lb/ton emission factor, based on manufacturer's guarantee

The twelve-month rolling total shall be calculated monthly and reported semi-annually (see Section F). The permittee shall maintain onsite a log of the twelve-month rolling total and make it available for review by the Division.

2. Emission Limitations:

- c. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions from the stack shall not exceed $[3.59(P)^{0.62}]$ pound per hour based on a three-hour average where P is the monthly average processing rate in tons per hour. If the process rate weight is 1,000 lbs/hr or less than the limit on particulate matter emissions is 2.34 lbs/hr.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)Compliance Demonstration:

The permittee shall use the following equation to demonstrate compliance with the particulate matter emission limits:

$$PM \text{ emissions (lb / hr)} = EF \text{ (lb / ton)} \times P \text{ (ton / hr)}$$

EF = 0.08594 lb/ton emission factor, based on manufacturer's specifications

P = monthly average processing rate

- d. Pursuant to 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not exceed twenty (20) percent opacity based on a six-minute average.

3. Testing Requirements:

None

4. Monitoring Requirements:

- a. Pursuant to 401 KAR 52:020, Section 26, the permittee shall perform a qualitative visible observation of the opacity emissions from each stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen, then the opacity shall be determined using EPA Reference Method 9 and if the opacity reading is greater than twenty percent, then initiate an inspection of the equipment for any repairs.
- b. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the amount of material processed (tons) and hours of operation on a monthly basis.
- c. Pursuant to 401 KAR 52:020, Section 26, the permittee shall monitor the amount of MDI used on a monthly basis.

5. Recordkeeping Requirements:

- a. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of the amount of material processed (tons) and hours of operation on a monthly basis.
- b. Pursuant to 401 KAR 52:020, Section 26, the permittee shall maintain records of MDI usage on a monthly basis.

6. Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 5, the baghouses shall be operated as necessary to maintain compliance with the permitted emission limitations, in accordance with the manufacturers' specifications and/or good engineering practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 25

Haul Road

Description:

Trucks on unpaved surfaces for deliveries and shipments

Construction Commenced: 1994

APPLICABLE REGULATIONS:

401 KAR 63:010, Fugitive emissions, is applicable to each affected facility which emits or may emit fugitive emissions and is not elsewhere subject to an opacity standard within the administrative regulations of the Division for Air Quality.

1. Operating Limitations:

- a. Pursuant to 401 KAR 63:010, Section 3(1), no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored; a building or its appurtenances to be constructed, altered, repaired, or demolished, or a road to be used without taking reasonable precaution to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:
 1. Pursuant to 401 KAR 63:010, Section 3(1)(b), application and maintenance of asphalt, oil, water or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts.
 2. Pursuant to 401 KAR 63:010, Section 3(1)(d), covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne.
 3. Pursuant to 401 KAR 63:010, Section 3(1)(e), the maintenance of paved roadways in a clean condition.
 4. Pursuant to 401 KAR 63:010, Section 3(1)(f), the prompt removal of earth or other material from a paved street which earth or other material has been transported thereto by trucking or earth moving equipment or erosion by water
- b. Pursuant to 401 KAR 63:010, Section 3(3), when dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance or to violate any administrative regulation, the secretary may order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that all air and gases and air of gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.
- c. Pursuant to 401 KAR 63:010, Section 4(4), no one shall allow earth or other material being transported by truck or earth moving equipment to be deposited onto a paved street or roadway.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

Pursuant to 401 KAR 63:010, Section 3(2), no person shall cause or permit the discharge of visible fugitive emissions beyond the lot line of the property on which the emissions originate.

Compliance Demonstration:

The permittee shall demonstrate compliance with this limitation by meeting the requirements of subsection 1, Operating Limitations.

3. Testing Requirements:

None

4. Monitoring Requirements:

See Section F.

5. Recordkeeping Requirements:

See Section F.

6. Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 26 and 27

Miscellaneous Coating Operations

Description: Emission Unit 26

TimberStrand LSL Logo Inkjet Printer-Stamp

Maximum Application Rate: 2 gallons/hr

Construction Commenced: 1994

Description: Emission Unit 27

Edge Seal/End Seal Application

Maximum Application Rate: 9 gallons/hr

Construction Commenced: 1994

APPLICABLE REGULATIONS:

40 CFR 60 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (PCWP), applicable to PCWP manufacturing facilities located at a major source of HAP emissions.

1. Operating Limitations:

- a. Pursuant to §63.2250, the permittee must be in compliance with the work practice requirements of 40 CFR 63 Subpart DDDD at all times, except during periods of process unit or control device startup, shutdown, and malfunction; prior to process unit initial startup; and during the routine control device maintenance exemption specified in §63.2251. The compliance options, operating requirements, and work practice requirements do not apply during times when the process unit subject to the compliance options, operating requirements, and work practice requirements are not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.
- b. Pursuant to §63.2250 (b), the permittee must always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).
- c. Pursuant to §63.2250 (c), the permittee must develop a written SSMP according to the provisions in §63.6(e)(3).
- d. Pursuant to §63.2241 (a) and Table 3 to Subpart DDDD of Part 63, the permittee must use non-HAP coatings as defined in §63.2292

Initial Compliance Demonstration:

Pursuant to §63.2260 (b) and Table 6 to Subpart DDDD of Part 63, the permittee must submit a signed statement with the Notification of Compliance Status that the permittee is using non-HAP coatings AND must have a record showing that only non-HAP coatings are used.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Continuous Compliance Demonstration:

Pursuant to §63.2271 (a) and Table 8 to Subpart DDDD of Part 63, the permittee must continue to use non-HAP coatings and keeping records showing that non-HAP coatings are used.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Monitoring Requirements:

See Section F.

5. Recordkeeping Requirements:

- a. Pursuant to §63.2282, the permittee must keep records according to §63.2282(a) and (b), as applicable.
- b. Pursuant to §63.2283, the permittee must maintain records according to §63.2283 (a) through (c), as applicable.

6. Reporting Requirements:

- a. Pursuant to §63.2271(b), the permittee must report each instance in which you did not meet each work practice requirement in Table 8 to Subpart DDDD that applies. This includes periods of startup, shutdown, and malfunction and periods of control device maintenance specified in paragraphs (b)(1) through (3) of §63.2271. These instances are deviations from the compliance options, operating requirements, and work practice requirements in Subpart DDDD. These deviations must be reported according to the requirements in §63.2281.
- b. Pursuant to §63.2280(a) the permittee must submit all the notifications in §63.7(b) and (c), 63.8(e), (f)(4) and (f)6, 63.9 (b) through (e), and (g) and (h) by the dates specified.
- c. Pursuant to §63.2281, the permittee must submit reports according to §63.2281 (a) through (g), as applicable.

7. Specific Control Equipment Operating Conditions:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Emergency Diesel Generator (500 hp)	None, limited to 500 hours of operation per year, verifiable by appropriate records.
2. Emergency Diesel Fire Pump (500 hp)	None, limited to 500 hours of operation per year, verifiable by appropriate records.
3. Roof Ventilation	None
4. Wall Ventilation	None
5. Diesel Tank (10,000 gallons)	None
6. Thermal Oil Tank (12,000 gallons)	None
7. 2-MDI Resin Tanks (14,000 gallons, each)	None
8. Emulsified Wax (14,000 gallons)	None
9. 2-Propane Tanks (30,000 gallons each, pressurized)	None
10. Wood Fuel Storage (bark, strands, and wood chips)	40 CFR 63 Subpart DDDD
11. Paved Roadway	401 KAR 63:010
12. Wet Wood Fuel Bin	40 CFR 63 Subpart DDDD
13. Strand/Mat Reject Bins	40 CFR 63 Subpart DDDD
14. Truck Wood Collection Bin	40 CFR 63 Subpart DDDD
15. Evaporation Tank	None
16. Zinc Borate Application	40 CFR 63 Subpart DDDD
17. Wood Ash Bins	40 CFR 63 Subpart DDDD
18. Log Preparation	40 CFR 63 Subpart DDDD
19. Green Wood Hog	40 CFR 63 Subpart DDDD
20. Wood Tub Grinder	40 CFR 63 Subpart DDDD
21. Dry Fuel Storage Bin	40 CFR 63 Subpart DDDD
22. Propane Heaters (2.8 MMBtu/hr)	401 KAR 59:015

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter, sulfur dioxide, opacity, acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.
3. To preclude the applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality, total source-wide emissions of carbon monoxide shall not exceed 225 tons per year based on a twelve month rolling total.

Compliance Demonstration:

The permittee shall demonstrate compliance with this limitation by limiting total heat input to EU 01 to 963,600 MMBtu and EU 02 to 481,800 MMBtu per year based on a twelve-month rolling total. The permittee may request that the Division revise these limits should the balance between heat demand of the two units change. Additionally, monthly carbon monoxide emissions from all sources shall be calculated using the following formula for each fuel burned:

$$CO \text{ emissions (tons)} = \frac{EF \text{ (lbs / units)} \times \text{total monthly usage (units)}}{2000 \text{ (lbs / ton)}}$$

EF = emission factor, based on most recent stack test information or AP-42 emission factor (EU 01 = 0.24 lb/MMBtu, EU 02 = 0.43 lb/MMBtu, Propane = 7.5 lb/Mgal, Diesel = 130 lb/Mgal)

units = MMBtu for wood (dry basis), Mgal for propane, Mgal for diesel

To demonstrate compliance with these emission limitations, the twelve-month rolling totals shall be calculated monthly and reported semi-annually (see Section F). The permittee shall maintain onsite a log of the 12-month rolling totals and make them available for review by the Division.

4. To preclude the applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality, total source-wide emissions of nitrogen oxides shall not exceed 225 tons per year based on a twelve month rolling total.

Compliance Demonstration:

Monthly nitrogen oxide emissions from all sources should be calculated using the following formula for each fuel burned:

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

$$NO_x \text{ emissions (tons)} = \frac{EF \text{ (lbs / units)} \times \text{total monthly usage (units)}}{2000 \text{ (lbs / ton)}}$$

EF = emission factor, based on most recent stack test information or AP-42 emission factor (EU 01 = 0.23 lb/MMBtu, EU 02 = 0.45 lb/MMBtu, Propane = 13 lb/Mgal, Diesel = 604 lb/Mgal)

units = MMBtu for wood (dry basis), Mgal for propane, Mgal for diesel

To demonstrate compliance with this emission limitation, the twelve-month rolling total shall be calculated monthly and reported semi-annually (see Section F). The permittee shall maintain onsite a log of the 12-month rolling total and make it available for review by the Division.

5. To preclude the applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality, total emissions of particulate matter from Emission Unit 01 and 02 shall not exceed 125 tons per year based on a twelve month rolling total.

Compliance Demonstration:

Monthly particulate matter emissions from EU 01 and 02 can be calculated using the following formula for each fuel burned:

$$PM \text{ emissions (tons)} = \frac{EF \text{ (lbs / units)} \times \text{total monthly usage (units)}}{2000 \text{ (lbs / ton)}}$$

EF = emission factor, based on most recent stack test information (EU 01 = 0.056 lb/MMBtu, EU 02 = 0.41 lb/ODT)

units = MMBtu of wood (dry basis) for EU 01 and ODT (oven dried tons) for EU 02

To demonstrate compliance with this emission limitation, the twelve-month rolling total shall be calculated monthly and reported semi-annually (see Section F). The permittee shall maintain onsite a log of the 12-month rolling total and make it available for review by the Division.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality
Hazard Regional Office
223 Birch Street, Suite 2
Hazard, KY 41701

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
200 Fair Oaks Land, 1st Floor
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

SECTION G - GENERAL PROVISIONS**1. General Compliance Requirements**

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
- b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
 - (4) New requirements become applicable to a source subject to the Acid Rain Program.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

- d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 7 and 8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

- f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].
- g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-15-b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3) 2.].
- l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
- n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3) 4.].
- o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3) 1.].

SECTION G - GENERAL PROVISIONS (CONTINUED)

- p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
- q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (1) Applicable requirements that are included and specifically identified in the permit and
 - (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

- a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
- b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

3. Permit Revisions

- a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
- b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

No construction authorized by this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)**5. Testing Requirements**

- a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.
- b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.
- c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

- a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

7. Emergency Provisions

- a. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - (1) An emergency occurred and the permittee can identify the cause of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit;and

SECTION G - GENERAL PROVISIONS (CONTINUED)

- (4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - (5) This requirement does not relieve the source of other local, state or federal notification requirements.
 - b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
 - c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].
8. Ozone Depleting Substances
- a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
 - b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

- a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

- b. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None